

PTVME 6/S RD - Test disconnect terminal block



1350427

<https://www.phoenixcontact.com/gb/products/1350427>

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Test disconnect terminal block, nom. voltage: 1000 V, nominal current: 30 A, connection method: Push-in connection, Rated cross section: 6 mm², cross section: 0.5 mm² - 6 mm², color: red

Your advantages

- Increased safety with 1,000 V nominal voltage
- The compact design allows an overall width the same as screw terminal blocks
- Quick and easy actuation with the screw-free disconnect slide
- Clearly visible and readily apparent switching state
- Use of CLIPLINE complete standard accessories

Commercial data

Item number	1350427
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE2333
Product key	BE2333
GTIN	4063151670313
Weight per piece (including packing)	21.54 g
Weight per piece (excluding packing)	21.54 g
Customs tariff number	85369010
Country of origin	CN

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Technical data

Product properties

Product type	Test disconnect terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm ²

Level 1+2

Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
	B4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm ² ... 6 mm ²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ² Connection only with corresponding crimp versions.
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ² Connection only with corresponding crimp versions.
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 2.5 mm ²
Nominal current	30 A (with 6 mm ² conductor cross section)
Maximum load current	30 A (with 6 mm ² conductor cross section)
Nominal voltage	1000 V
Nominal cross section	6 mm ²

Level 1+2 Connection cross sections directly pluggable

Conductor cross section rigid	0.75 mm ² ... 6 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm ² ... 6 mm ² Connection only with corresponding crimp versions.
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm ² ... 6 mm ² Connection only with corresponding crimp versions.

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Dimensions

Width	8.2 mm
End cover width	2.2 mm
Height	82 mm
Depth on NS 35/7,5	54.5 mm
Depth on NS 35/15	62 mm

Material specifications

Color	red (RAL 3001)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm ²	0.5 kA
	0.15 kA
	1.25 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2.2 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
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Mechanical tests

Mechanical strength

Result	Test passed
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Test for conductor damage and slackening

Rotation speed	10 rpm
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Revolutions	135
Conductor cross section/weight	0.5 mm ² / 0.3 kg
	6 mm ² / 1.4 kg
Result	Test passed

Environmental and real-life conditions

Aging

Result	Test passed
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Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²) ² /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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Mounting

Mounting type	NS 35/15
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	NS 35/7,5
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1350427>

 CSA Approval ID: 158887				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	30 A	26 - 10	-
Use group C				
	600 V	30 A	26 - 10	-

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	30 A	26 - 10	-
Use group C				
	600 V	30 A	26 - 10	-
Use group F				
	1000 V	30 A	26 - 10	-

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Classifications

ECLASS

ECLASS-13.0	27250109
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ETIM

ETIM 9.0	EC000902
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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